long enough to reach to the Ground on the other Side, where it muſt be hooked into a Ring *I*, to be ſcrewed into the Floor, for that Purpoſe.

XI. *A Letter from* Pierce Dodd, *M. D. Fellow of the* Royal College *of* Phyſicians, London, *and Phyſician to* St. Bartholomew's Hoſpital, *to the* Preſident *of the* ROYAL SOCIETY, *concerning a Perſon who made* bloody Urine *in the* Small-pox, *and recovered.*

SIR,

Read June 23. 1743. MAking bloody Water is univerſally eſteemed as terrible a Symptom as any that can happen in the *Small-pox*; and all who have wrote concerning that Diſtemper, do unanimouſly agree, that it is a certain Forerunner of approaching Death. Dr. *Cade*, indeed, ſays, in his Letters to Dr. *Freind*, concerning Purging in that Diſtemper, that he has ſometimes cured this Symptom, by the Help of *Camphire*, and a copious Quantity of Acids; but then he adds, that this Relief was only temporary; and that, to confeſs the Truth, he never knew any body, that made that ſort of Urine, who ever ſurvived the 16th Day from the Eruption: And there is nobody whom I know, that has been converſant with this Diſtemper, but has conſtantly experienced, ſooner or later, the like Fatality in conſequence of it. I mean, when this ſort of Urine has pro-

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proceeded from a broken *Craſis* and Contexture, or, as it were, a thorough Diſſolution of the whole Maſs of Blood: For I know very well, that you ſhall now-and-then have ſeveral Streaks, and ſometimes larger Quantities of Blood in the Urine, from the Acrimony of the *Spaniſh Flies*, upon the Application of Bliſters, which are frequently uſed, and ſo frequently likewiſe abſolutely neceſſary, in one or other of the Stages of this Diſtemper, and yet the Patient ſhall do well. And Dr. *Browne*, who was a worthy Predeceſſor of mine in *St. Bartholomew's Hoſpital*, and a Gentleman of Learning and Eminence in his Profeſſion, gives an Account of a Gentlewoman, who lived in *Dean's-yard, Weſtminſter*, who made bloody Urine in the *Small-pox*, Four or Five Days together; which made Dr. *Needham*, who attended her, to forſake her; and yet ſhe recovered: But they found afterwards, that this bloody Water was not occaſioned by the Malignancy of the Diſtemper, but by a ſharp Stone, which was at that time deſcending from one of the Kidneys through the Ureters into the Bladder, and which ſhe afterwards voided.——This I have from ſome *Adverſaria* of his, a good Number of which I have had the Fortune to be in Poſſeſſion of ſeveral Years, and amongſt which there are ſeveral remarkable Caſes, that occurred to him during the Courſe of a long and extenſive Practice; and which I do not know, but may, ſome time or other, be communicated to the Public, together with ſome others that have happened to fall within the Compaſs of my own Obſervation, ſince I have had the Honour to have ſomething to do in the Faculty, in that Hoſpital, and elſewhere.

But

But to return to our Subject:

It cannot but be a Satisfaction to a Perſon of your Humanity and Goodneſs therefore, to hear of an Inſtance in which this frightful Symptom has not been attended with its uſual Fatality: It was in the Caſe of a young Spark, about 15 Years of Age, Son to a Gentleman of a very conſiderable Fortune in *Jamaica*.

He was taken with a Fever, and great Pain in his Head, *April* 20th laſt, and had the *Small-pox* come out upon him the Day following, notwithſtanding which the ſame Symptoms ſtill continued, and nothing almoſt would ſtay upon his Stomach, and his Head likewiſe was very delirious: He was obliged therefore to be blooded, and to take a Vomit, and to have Bliſters applied to his Neck and to his Arms; which, together with a proper Quantity of *Pulvis e Chelis Cancrorum comp.* and *Nitre*, were the firſt things, that I had an Opportunity of ordering for him.

The next Day every thing was more quiet, and ſo again the Third Day from the Eruption; but the *Small-pox* were very numerous all over him, and of a little, rank, angry Sort; as they generally are, I think, upon the *Weſt-India* Conſtitutions: But this young Gentleman had beſides over-heated himſelf a little before, by performing a Part at the *Montain*, near *Eton*, where he was a Scholar.

Things continued in much the ſame State the 4th Day, but towards the Evening there were a few Streaks of Blood mixed with, and ſubſiding in his Water; which did not much alarm me, becauſe I did not know but it might be cauſed by the Bliſters. I had but one Reaſon to doubt the contrary, and that was, he had had little or no Strangury: But as cer-

tain Perſons do aver, there is ſometimes ſuch, or even a more bloody ſort of Waters, occaſioned by the Flies, even where there ſhall be no Strangury at all, I was willing to hope the beſt, and ſo made no other Alteration in my Proceſs, than to direct a very free Uſe of *Spirit* of *Vitriol*.——

What was ordered, happened to ſucceed: We had no more of that Sort of Water, either that Night, or the next Day, or the Morning following: But I was ſent for in a great Hurry that Day, *viz.* the 6th, in the Afternoon, and found his Friends in the moſt terrible Conſternation; not only becauſe it returned, but began to increaſe upon them, and was pouring off in a free Manner.——

It was neceſſary therefore to proceed in another Method, and I accordingly ordered ſome *Gum Arabic*, *Olibanum*, and *Pulvis Amyli*, and *Alum*, together with a Mixture of *Black Cherry-water* and ſmall *Cinnamon*, and *Treacle-water*, with ſome *Tinctura Antiphthiſica* and *Terra Japonica* in it, and the *Tincture* of *Roſes*, ſtrongly acidulated and ſweetened with *Diacodium*; upon the Uſe of which it began to abate, and the next Day the Urine returned to its uſual State and Colour.——

There was nothing farther obſervable in the Courſe of this Caſe, except that the Diſtemper was of the Coherent kind, and accordingly attended with many other dubious Symptoms likewiſe: For though it is generally thought, that the Coherent ſort is not ſo formidable as the Confluent; yet, as Dr. *Freind* has judiciouſly obſerved, and *Moreton* before him, there is not ſo much Difference between them, but they are almoſt always attended with much the ſame Appearances, and the ſame

ſame Fevers plainly at the time of Maturation: For that the Danger does not ariſe ſo much from the Sort, as from the Number of the Puſtules; which if it be great, there is the like Reaſon to be fearful of the Event, whether they flux, or whether they only cohere: All which notwithſtanding, this young Gentleman had the good Fortune to eſcape.

I have nothing farther to detain you with at preſent, but one ſhort Requeſt; and that is, that you will be ſo good as to believe me to be, with all the Reſpect and Eſteem imaginable,

SIR,

Your moſt Obedient,
Faithful Servant,

June 23. 1743.

Peirce Dod.

June 23. 1743. the SOCIETY adjourned to *Oct.* 27.

LONDON:

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